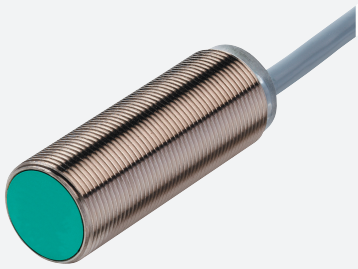


Inductive sensor

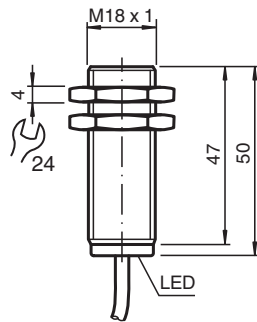
NBB8-18GM50-E2-Y278765



- Basic series
- 8 mm flush
- Increased operating distance



Dimensions



Technical Data

General specifications			
Rated operating distance	s_n		8 mm
Installation			flush
Output polarity			DC
Assured operating distance	s_a		0 ... 6.48 mm
Reduction factor r_{Al}			0.45
Reduction factor r_{Cu}			0.4
Reduction factor r_{304}			0.7
Output type			3-wire
Nominal ratings			
Operating voltage	U_B		10 ... 30 V
Switching frequency	f		0 ... 500 Hz
Hysteresis	H		typ. 5%
Reverse polarity protection			reverse polarity protected
Short-circuit protection			pulsing
Voltage drop	U_d		≤ 3 V

Release date: 2020-03-24 Date of issue: 2020-03-30 Filename: 278765_eng.pdf

Refer to "General Notes Relating to Pepperl+Fuchs Product Information".

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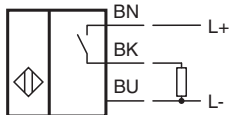
Singapore: +65 6779 9091
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PF PEPPERL+FUCHS



Technical Data

Operating current	I_L	0 ... 200 mA
Off-state current	I_r	0 ... 0.5 mA typ. 0.1 μ A at 25 °C
No-load supply current	I_0	\leq 15 mA
Time delay before availability	t_v	\leq 20 ms
Switching state indicator		LED, yellow
Functional safety related parameters		
MTTF _d		1190 a
Mission Time (T _M)		20 a
Diagnostic Coverage (DC)		0 %
Compliance with standards and directives		
Standard conformity		
Standards		EN 60947-5-2:2007 IEC 60947-5-2:2007
Approvals and certificates		
UL approval		cULus Listed, General Purpose
CSA approval		cCSAus Listed, General Purpose
CCC approval		CCC approval / marking not required for products rated \leq 36 V
Ambient conditions		
Ambient temperature		-25 ... 70 °C (-13 ... 158 °F)
Mechanical specifications		
Connection type		cablc PVC , 2 m
Core cross-section		0.34 mm ²
Housing material		brass, nickel-plated stainless steel nuts included
Sensing face		PBT
Degree of protection		IP67

Connection



Accessories

	BF 18	Mounting flange, 18 mm
	EXG-18	Quick mounting bracket with dead stop